Code No. LIT-1900675
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TEC2601-4, TEC2602-4, TEC2603-4

CCS TEC260x-4 Series BACnet® MS/TP Networked Thermostat Controllers

Description

The TEC260x-4 Series Thermostat Controllers are BACnet® Master-Slave/ Token-Passing (MS/TP) networked devices that function with the Commercial Comfort System (CCS) System Manager to provide control of rooftop units, heat pumps, and single- and multi-stage heating/cooling equipment.

The technologically advanced TEC260x-4 Series Thermostat Controllers feature a Building Automation System (BAS) BACnet MS/TP communication capability that enables remote monitoring and programming for efficient space temperature control.

The TEC260x-4 Series Thermostat Controllers feature an intuitive user interface with backlit display that makes setup and operation quick and easy. The thermostats also employ a unique, Proportional-Integral (PI) time-proportioning algorithm that virtually eliminates temperature offset associated with traditional, differential-based thermostats.

Refer to the *Commercial Comfort System (CCS) Product Bulletin (LIT-12011347)* for important product application information.

Features

- password protection option
- backlit Liquid Crystal Display (LCD)
- five easy-to-use interface keys
- over 20 configurable parameters
- optional discharge air sensor
- support of up to 24 TEC Series controllers on one System Manager Communications bus

Repair Information

If a TEC260x-4 Series Thermostat Controller fails to operate within its specifications, replace the unit. For a replacement thermostat, contact the nearest Johnson Controls® representative.

TEC260x-4 Series BACnet MS/TP Networked Thermostat Controller

Selection Chart

Code Number	Applications
TEC2601-4	Fan Coil Units, Unit Heaters, and Single-Stage Packaged Heating/Cooling Equipment
TEC2602-4	One or Two Heat Pump Stages with Optional Auxiliary Heat Stage
TEC2603-4	Multi-Stage Packaged Heating/Cooling Equipment

Technical Specifications

TEC260x-4 Series BACnet MS/TP Networked Thermostat Controllers		
Power Requirements		19 to 30 VAC, 50/60 Hz, 2 VA (Terminals RC and C) at 24 VAC Nominal, Class 2 or SELV
Relay/Triac Contact Rating		19 to 30 VAC, 1.0 A Maximum, 15 mA Minimum, 3.0 A In-Rush, Class 2 or SELV
Digital Inputs		Voltage-Free Contacts across Terminal C to Terminals DI1 and DI2
Wire Size		18 AWG (1.0 mm Diameter) Maximum, 22 AWG (0.6 mm Diameter) Recommended
MS/TP Network Guidelines		32 Devices Maximum; 4,000 ft (1,219 m) Maximum Cable Length
Thermostat Measurement Range		-40.0°F/-40.0°C to 122.0°F/50.0°C
Sensor Type		Local 10k ohm Negative Temperature Coefficient (NTC) Thermistor
Resolution		±0.2F°/±0.1C°
Control Accuracy		±0.9F°/±0.5C° at 70.0°F/21.0°C Typical Calibrated
Temperature Range	**Backlit Display**	-40.0°F/-40.0°C to 122.0°F/50.0°C
	Heating	40.0°F/4.5°C to 90.0°F/32.0°C in 0.5° Increments
	Cooling	54.0°F/12.0°C to 100.0°F/38.0°C in 0.5° Increments
Minimum Deadband		2F°/1C° between Heating and Cooling
Ambient Conditions	**Operating**	32 to 122°F (0 to 50°C); 95% RH Maximum, Noncondensing
	Storage	-22 to 122°F (-30 to 50°C); 95% RH Maximum, Noncondensing
Compliance	**United States**	UL Listed, File E27734, CCN XAPX, Under UL 873, Temperature Indicating and Regulating Equipment
		FCC Compliant to CFR 47, Part 15, Subpart B, Class A
	Canada	UL Listed, File E27734, CCN XAPX7, Under CAN/CSA C22.2 No. 24, Temperature Indicating and Regulating Equipment
		Industry Canada, ICES-003
CE	**Europe**	CE Mark – Johnson Controls, Inc., declares that this product is in compliance with the essential requirements and other relevant provisions of the EMC Directive 2004/108/EC.
	Australia and New Zealand	C-Tick Mark, Australia/NZ Emissions Compliant
	BACnet International	BACnet Testing Laboratories™ (BTL) 135-2001 Listed BACnet Application Specific Controller (B-ASC)
Shipping Weight		0.75 lb (0.34 kg)